

ABSTRACT OF THE INVENTION

Methods, processes and materials for the production and recovery of Tiacumicins produced by culturing a microorganism belonging to the species *Dactylosporangium aurantiacum* subspecies *hamdenensis* having the ability to 5 produce and accumulate one or more Tiacumicin in a nutrient medium comprising a carbon source, a nitrogen source, trace elements such as inorganic salts, and an adsorbent, wherein said nitrogen source comprises fish powder, and wherein said Tiacumicin is produced in a yield greater than about 50 mg/L broth.